

Extension Activity (2018 – 2019)

As part of the curriculum, our III B.Sc., chemistry students are required to do extension activity to get marks and credits. In this regard every year, our department is organising an extension activity programme in which our III year students and staff members were actively involved.

The objective of this programme is to create awareness among the student community about self-employment and entrepreneurship. In this programme, our students were demonstrating the preparation of household cleaning products by using the required raw materials in correct proportions. Through this programme they motivated the non-chemistry students to prepare the house hold cleaning products on their own and earn more profit from less investment.

On 21.2.2019, our department has organised an extension activity programme at our College open auditorium for III B.Sc. Botany and Maths students. 35 students of III year and Staff members of our department were actively participated in that programme. At that activity, we planned to prepare dish washing gel and floor cleaning liquid.

Dr.M.Dhanalakshmi, Assistant Professor & Head, Department of Chemistry Cordially invited the students for the programme and gave a nice introduction about our activity and the importance of self-employment & entrepreneurship. Then our students explained the ingredients used for the preparation of dish washing gel and floor cleaning liquid and their proportions. They also demonstrated the preparation of the products in a well manner by adding the ingredients one by one.

1. Preparation of Dish washing gel:

S.NO.	INGREDIENTS REQUIRED FO DISH WASHING GEL	PROPORTION
1.	Sodium Lauryl Ether Sulphate (SLES)	1000g
2.	Alpha Olefin Sulfonate (AOS)	1000g
3.	Tri Sodium Phosphate (TSP)	150g
4.	Citric acid	20g
5.	Sodium Sulphate	40g

Our students demonstrated the preparation of Dish washing gel by taking four different plastic containers with 250ml of water each and in one container they mixed citric acid well. In

another container, they mixed TSP well and in third container they mixed Sodium Sulphate well. In fourth container they mixed both SLES & AOS well and finally they transferred all the four mixtures into another plastic container and stirred well the mixture to get the final product Dish washing liquid in a gel consistency.

2. Preparation of Floor cleaning Liquid:

S.NO.	INGREDIENTS REQUIRED FOR FLOOR CLEANING LIQUID	PROPORTION
1.	Sodium Lauryl Ether Sulphate (SLES)	250g
2.	Sodium Hydroxide flux (Caustic soda)	100g
3.	Acid Slurry	1000g
4.	Questrol	250g
5.	Urea	250g
6.	Perfume	25ml

Our students demonstrated the preparation of floor cleaning liquid by taking five different plastic containers with 1000ml of water each and in one container they mixed Caustic soda well. In another container, they mixed Acid slurry well and in third container they mixed SLES well. In fourth container they mixed Questrol well and in fifth container they mixed Urea well. Finally they transferred all the five mixtures into another plastic container and stirred well to get the consistency of the final product Dish washing liquid.

Our college Botany and Maths students were eagerly attended the programme and interacted with our Chemistry staff and students to clarify their doubts. They also gave a good feedback and said that they will try to prepare the cleaning materials on their own in their houses. At the end of the programme we thanked the students and gave free samples of the prepared products to them.

1. Preparation of Dish washing gel:



2. Preparation of Floor cleaning Liquid:

